Summary of Water Conditions

February 1, 2003

For the second year in a row California has seen a good head start to the water year fade during January. Nearly 60 percent of the rainy season is past. As of now, forecasts call for a subnormal water year overall , but not drought, with wetter conditions in the north, drier in the south, and still with a large range in possible outcomes. Much above average winter temperatures and liberal rain in the northern end of the state have boosted reservoir storage ahead of last year.

Forecasts of April through July runoff are somewhat below average at 85 percent overall, less in the south. Water year forecasts, assuming normal weather for the remainder of the season, are slightly higher, at 95 percent. Assuming median conditions from February 1 to the end of the year, the forecasted Sacramento River Index (SRI) will be 99 percent of average, the Sacramento Valley Index (40−30−30) year type will be above normal, and the San Joaquin Valley Index (60−20−20 SJI) year type will be below normal.

Snowpack water content is 100 percent of average compared to 120 percent last year. At the end of December, the pack was about 160 percent of average, but lack of accumulation during January and warm weather at middle elevations erased the advantage. The pack is about 65 percent of the April 1 average, which is the normal date of maximum accumulation.

Precipitation from October 1 through January 31 was about 110 percent of average compared to 100 percent last year. Again southern California percentages are low while the north coast region is well above average. December had about 200 percent of average, but January precipitation was only about 45 percent.

Runoff Enough runoff was produced across the northern end of the State to raise several reservoirs to flood control status and put some water into the Sacramento Valley bypass floodway system. Total runoff so far this season is above average at 120 percent compared to 100 percent last year. Estimated runoff of the 8 major rivers of the Sacramento and San Joaquin River regions during January was 3.4 million acre−feet.

Reservoir storage overall is 100 percent of average for this date, the same as last year. The reservoirs in the north contain more than one year ago, those to the south and the east side of the Sierra contain less.

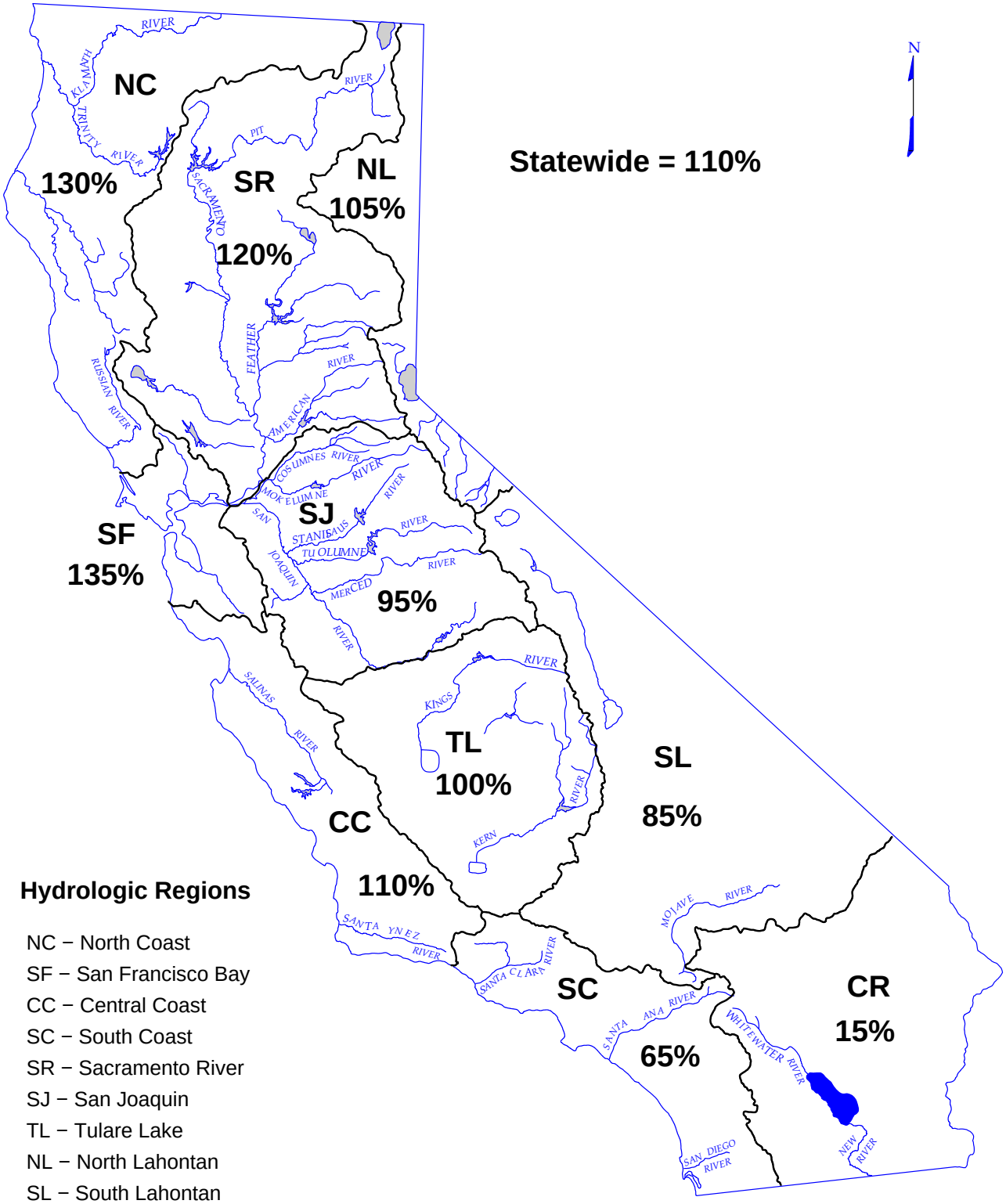
SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	FEBRUARY 1 SNOW WATER CONTENT	FEBRUARY 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR−JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	130	155	105	140	115	120
SAN FRANCISCO BAY	135	−−	105	165	−−	−−
CENTRAL COAST	110	−−	105	130	−−	−−
SOUTH COAST	65	−−	80	30	−−	−−
SACRAMENTO RIVER	120	100	110	120	90	100
SAN JOAQUIN RIVER	95	95	100	65	85	80
TULARE LAKE	100	85	70	105	80	80
NORTH LAHONTAN	105	115	40	70	85	80
SOUTH LAHONTAN	85	105	95	70	90	85
COLORADO RIVER−DESERT	15	−−	−−	−−	−−	−−
STATEWIDE	110	100	100	120	85	95

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2002 through January 31, 2003

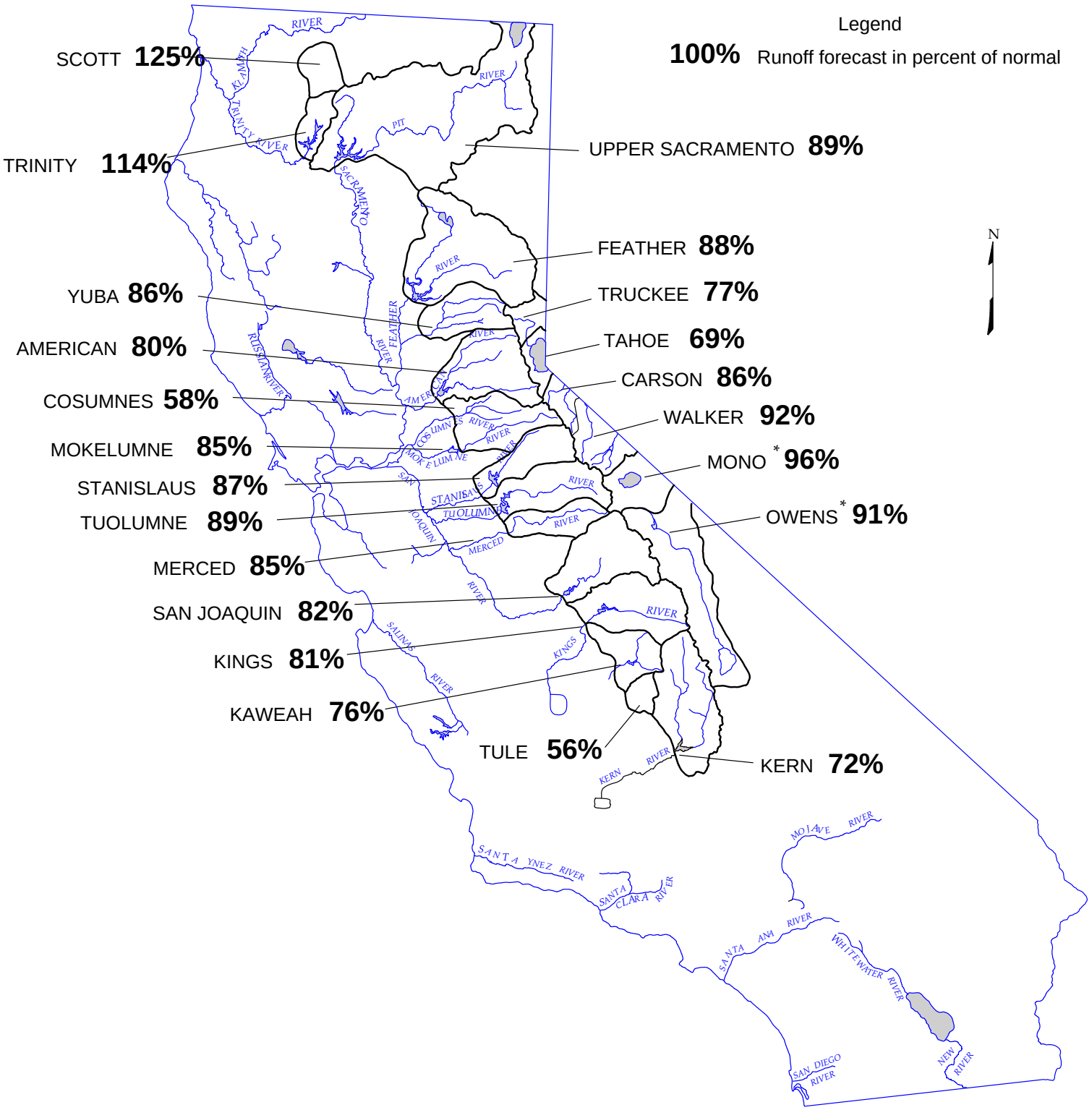


Hydrologic Regions

NC − North Coast
SF − San Francisco Bay
CC − Central Coast
SC − South Coast
SR − Sacramento River
SJ − San Joaquin
TL − Tulare Lake
NL − North Lahontan
SL − South Lahontan
CR − Colorado River−Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
February 1, 2003



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGLES

FEBRUARY 1, 2003 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake (3)	299	711	39	290	97%	
McCloud River above Shasta Lake	400	850	185	380	95%	
Pit River near Montgomery Creek + Squaw Creek	1,090	2,098	480	940	86%	
Total Inflow to Shasta Lake	1,849	3,525	726	**1,650**	89%	1,090 - 2,550
Sacramento River above Bend Bridge, near Red Bluff	2,521	5,075	943	**2,320**	92%	1,420 - 3,660
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	290	87%	
North Fork at Pulga (3)	1,028	2,416	243	910	89%	
Middle Fork near Clio (4)	86	518	4	75	87%	
South Fork at Ponderosa Dam (3)	110	267	13	95	86%	
Feather River at Oroville	1,870	4,676	392	**1,650**	88%	1,050 - 2,810
Yuba River						
North Yuba below Goodyears Bar (3)	286	647	51	240	84%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	95	85%	
South Yuba at Langs Crossing (3)	233	481	57	190	82%	
Yuba River near Smartville plus Deer Creek	1,044	2,424	200	**900**	86%	510 - 1,560
American River						
North Fork at North Fork Dam (3)	262	716	43	200	76%	
Middle Fork near Auburn (3)	522	1,406	100	420	80%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	140	81%	
American River below Folsom Lake	1,282	3,074	229	**1,020**	80%	520 - 1,920
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	130	363	8	**75**	58%	15 - 205
Mokelumne River						
North Fork near West Point (5)	437	829	104	360	82%	
Total Inflow to Pardee Reservoir	469	1,065	102	**400**	85%	260 - 670
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	290	87%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	190	85%	
Stanislaus River below Goodwin Reservoir (7)	716	1,710	116	**620**	87%	390 - 1,030
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy (3)	322	727	97	280	87%	
Tuolumme River near Hetch Hetchy (3)	606	1,392	153	550	91%	
Tuolumne River below La Grange Reservoir (7)	1,230	2,682	301	**1,090**	89%	740 - 1,700
Merced River						
Merced River at Pohono Bridge (3)	362	888	80	320	88%	
Merced River below Merced Falls (7)	633	1,587	123	**540**	85%	360 - 900
San Joaquin River						
San Joaquin River at Mammoth Pool (6)	1,014	2,279	235	830	82%	
Big Creek below Huntington Lake (6)	95	264	11	75	79%	
South Fork near Florence Lake (6)	202	511	58	170	84%	
San Joaquin River inflow to Millerton Lake	1,262	3,355	262	**1,030**	82%	630 - 1,680
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	190	79%	
Kings River below Pine Flat Reservoir	1,234	3,113	274	**1,000**	81%	560 - 1,620
Kaweah River below Terminus Reservoir	290	814	62	**220**	76%	110 - 405
Tule River below Lake Success	65	259	2	**36**	56%	12 - 96
Kern River						
Kern River near Kernville (3)	373	1,203	83	280	75%	
Kern River inflow to Lake Isabella	470	1,657	84	**340**	72%	160 - 700

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81

FEBRUARY 1, 2003 FORECASTS

WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)														
HISTORICAL			**DISTRIBUTION**								**FORECAST**			
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan*	Feb	Mar	Apr	May	Jun	Jul	Aug & Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)	
888	1,965	165												
1,234	2,353	557												
3,217	5,150	1,484												
6,194	10,796	2,479	2,575	880	880	660	470	290	230	395	**6,380**	103%	5,080	- 8,460
8,990	17,180	3,294	4,385	1,300	1,200	940	670	400	310	535	**9,740**	108%	7,630	- 12,860
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,775	9,492	994	1,590	650	710	710	570	250	120	170	**4,770**	100%	3,610	- 7,010
564	1,056	102												
181	292	30												
379	565	98												
2,459	4,926	369	675	255	300	360	380	130	30	30	**2,160**	88%	1,510	- 3,260
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,830	6,382	349	490	240	350	440	400	150	30	20	**2,120**	75%	1,310	- 3,540
409	1,253	20	43	30	47	42	24	7	2	0	**195**	48%	70	- 460
626	1,009	197												
774	1,800	129	80	45	80	140	180	70	10	5	**610**	79%	420	- 980
471	929	88												
1,196	2,952	155	140	70	120	220	260	120	20	10	**960**	80%	650	- 1,510
461	1,147	123												
770	1,661	258												
1,974	4,631	383	225	115	180	300	440	300	50	20	**1,630**	83%	1,180	- 2,420
461	1,020	92												
1,014	2,787	150	105	50	85	160	225	130	25	10	**790**	78%	560	- 1,280
1,337	2,964	308												
112	298	14												
248	653	71												
1,851	4,642	362	175	70	130	250	400	290	90	35	**1,440**	78%	950	- 2,280
284	607	58												
1,736	4,287	386	175	60	110	240	400	280	80	35	**1,380**	80%	860	- 2,160
460	1,402	94	87	18	35	65	90	55	10	5	**365**	79%	220	- 600
153	615	16	43	11	16	17	12	5	2	0	**106**	69%	60	- 215
558	1,577	163												
741	2,318	175	140	30	45	105	115	90	30	25	**580**	78%	340	- 1,050

* Unimpaired runoff in prior months based on measured flows

(7) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

FEBRUARY 1, 2003 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Trinity River					
Trinity River at Lewiston Lake	660	1,593	80	**750**	114%
Scott River					
Scott River near Fort Jones	200	400	30	**250**	125%
Klamath River					
Total inflow to Upper Klamath Lake (3)	515	939	149	**380**	74%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	272	713	52	**210**	77%
Lake Tahoe Rise (assuming gates closed, in feet)	1.4	5.4	0.2	**1.0**	69%
Carson River					
West Fork Carson River at Woodfords	55	135	12	**45**	81%
East Fork Carson River near Gardnerville	190	407	43	**165**	87%
Walker River					
West Walker River below Little Walker, near Coleville	153	330	35	**145**	95%
East Walker River near Bridgeport	65	209	7	**55**	84%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (4)	235	579	96	**214**	91%

(1) See inside back cover for definition

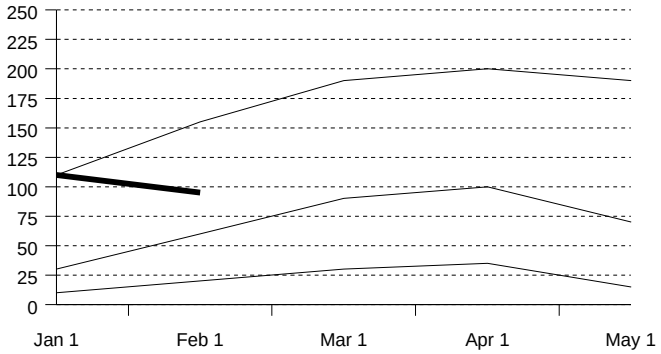
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted

(3) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1971-2000.

(4) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.

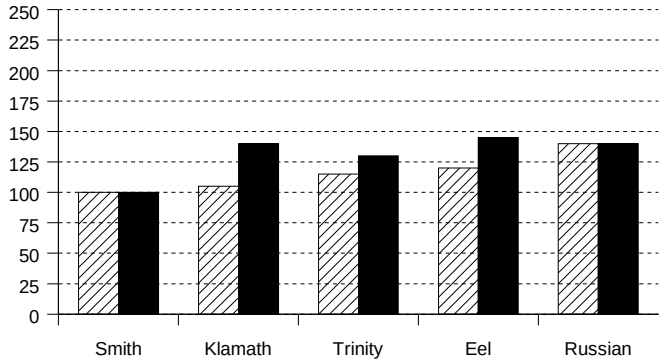
Snowpack Accumulation

Water Content in % of April 1 Average



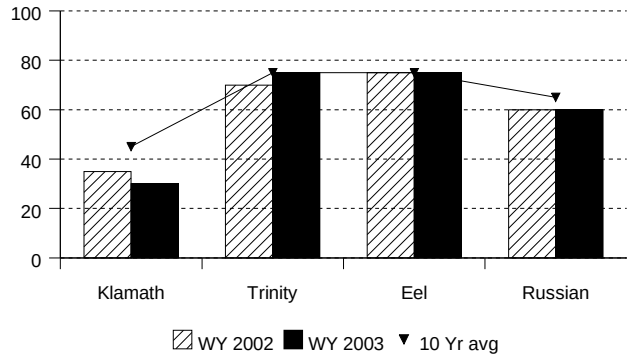
Precipitation

October 1 to date in % of Average



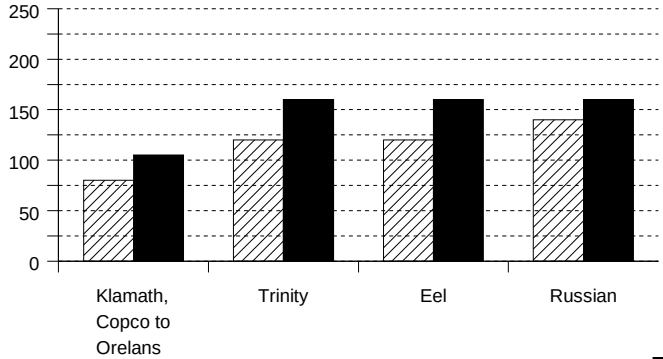
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH COAST REGION

SNOWPACK− First of the month measurements made at 11 snow courses indicate an area wide snow water equivalent of 29 inches. This is 155 percent of the February 1 average and 95 percent of the seasonal (April 1) average. Last year at this time the pack was holding 24.3 inches of water.

PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on this area was 130 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal.

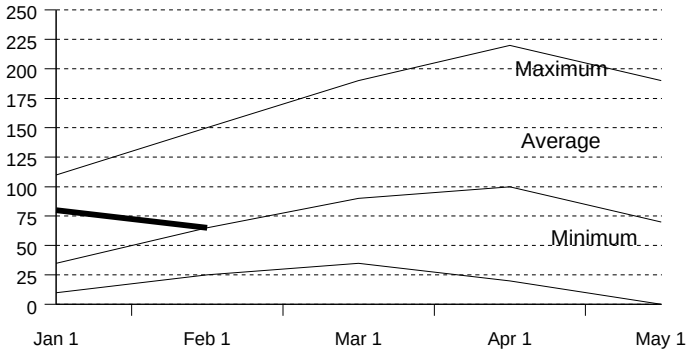
RESERVOIR STORAGE− First of the month storage in 7 reservoirs was 2.4 million acre−feet which is 105 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

RUNOFF −Seasonal runoff of streams draining the area totaled 7.8 million acre−feet which is 140 percent of the average for this period. Last year, runoff for the same period was 110 percent of average.

SACRAMENTO RIVER REGION

Snowpack Accumulation

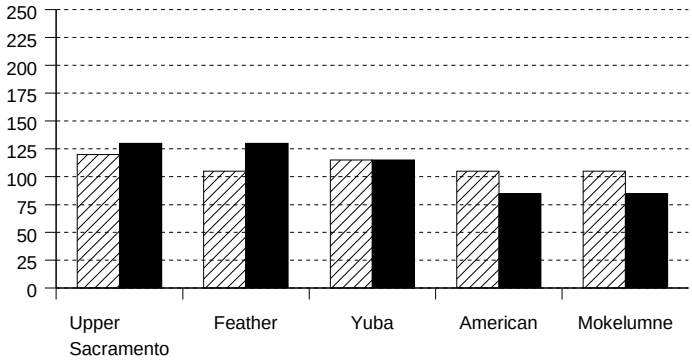
Water Content in % of April 1 Average



SNOWPACK− First of the month measurements made at 71 snow courses indicate an area wide snow water equivalent of 21 inches. This is 100 percent of the February 1 average and 65 percent of the seasonal (April 1) average. Last year at this time the pack was holding 24.4 inches of water.

Precipitation

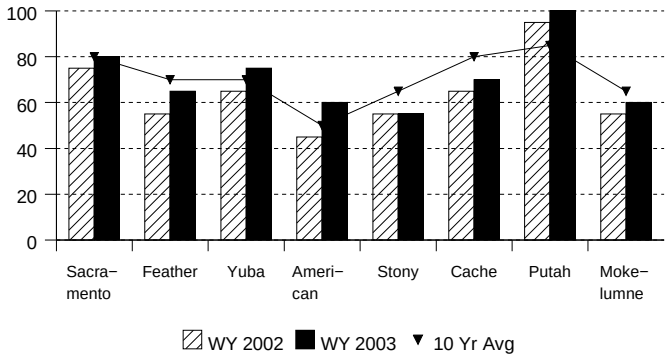
October 1 to date in % of Average



PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on this area was 120 percent of normal. Precipitation last month was about 55 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal.

Reservoir Storage

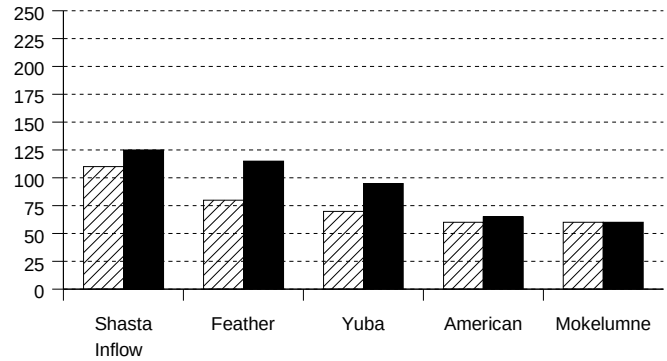
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE− First of the month storage in 43 reservoirs was 11.5 million acre−feet which is 110 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

Runoff

October 1 to date in % of average

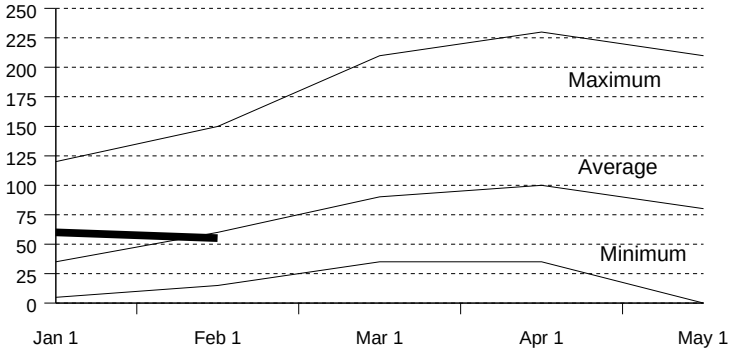


RUNOFF − Seasonal runoff of streams draining the area totaled 7.1 million acre−feet which is 120 percent of average for this period. Last year, runoff for the same period was 100 percent of average.

The **Sacramento Region 40−30−30 Water Supply Index** is forecast to be 7.9 assuming median meteorological conditions for the remainder of the year. This classifies the year as "above normal" in the Sacramento Valley according to the State Water Resources Control Board.

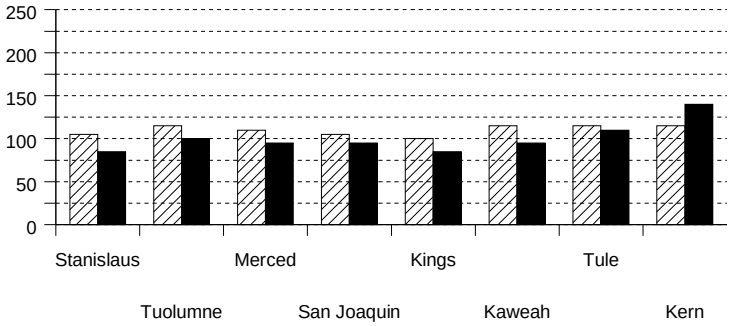
Snowpack Accumulation

Water Content in % of April 1 Average



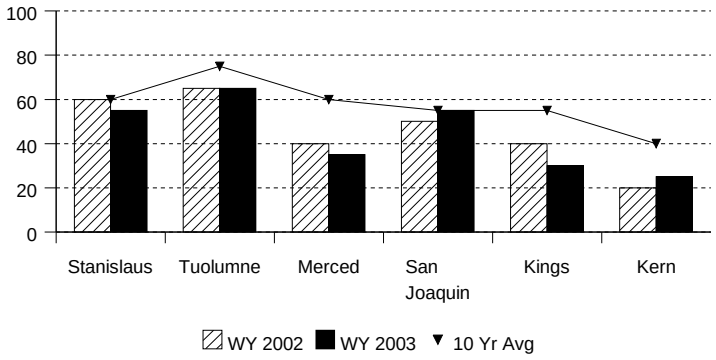
Precipitation

October 1 to date in % of Average



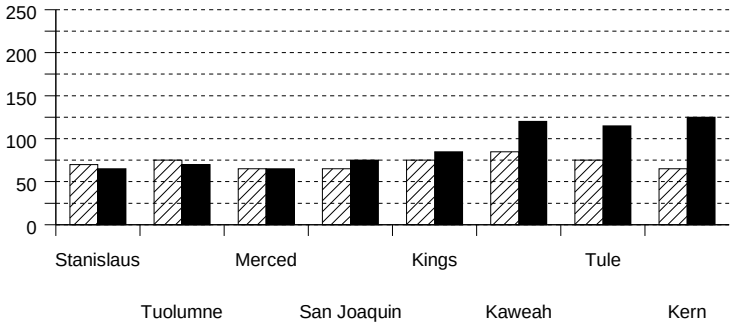
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK− First of the month measurements made at 63 **San Joaquin River Region** snow courses indicate an area wide snow water equivalent of 19.2 inches. This is 95 percent of the February 1 average and 60 percent of seasonal (April 1) average. Last year at this time the pack was holding 22.9 inches of water.
At the same time 41 **Tulare Lake Region** snow courses indicated a basin−wide snow water equivalent of 12.2 inches which is 85 percent of the average for February 1 and 50 percent of the seasonal average. Last year at this time the basin was holding 17.4 inches of water.

PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 95 percent of normal. Precipitation last month was about 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal.
Seasonal precipitation on the **Tulare Lake Region** was 100 percent of normal. Precipitation last month was about 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal.

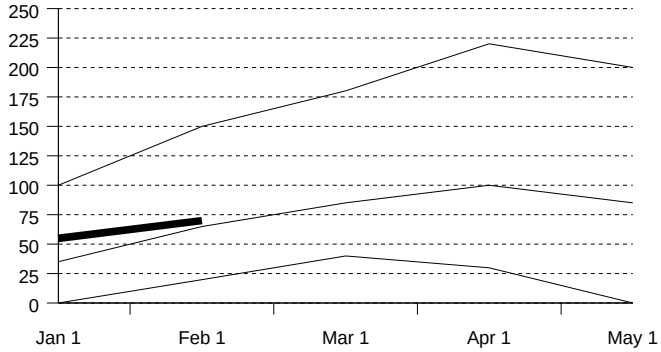
RESERVOIR STORAGE− First of the month storage in 34 **San Joaquin Region** reservoirs was 6.7 million acre−feet which is 100 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.
First of the month storage in 6 **Tulare Lake Region** reservoirs was 560 thousand acre−feet which is 70 percent of average and about 25 percent of available capacity. Storage in these reservoirs at this time last year was 85 percent of average.

RUNOFF− Seasonal runoff of streams draining the **San Joaquin Region** totaled 776 thousand acre−feet which is 65 percent of average for this period. Last year, runoff for the same period was 65 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 447 thousand acre−feet which is 105 percent of average for this period. Last year runoff for this same period was 75 percent of average.

The **San Joaquin Region 60−20−20 Water Supply Index** is forecast to be 2.7 assuming median meteorological conditions. This classifies the year as "below normal" in the San Joaquin Region according to the State Water Resources Control Board.

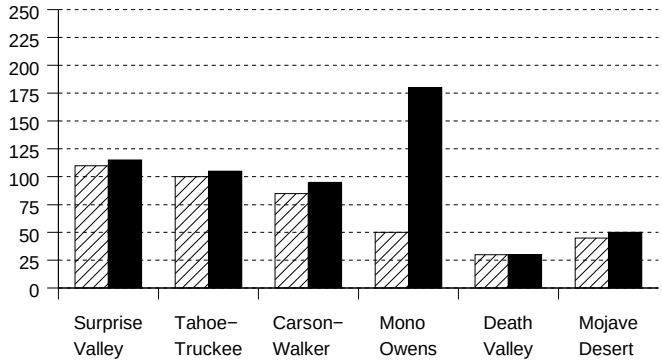
Snowpack Accumulation

Water Content in % of April 1 Average



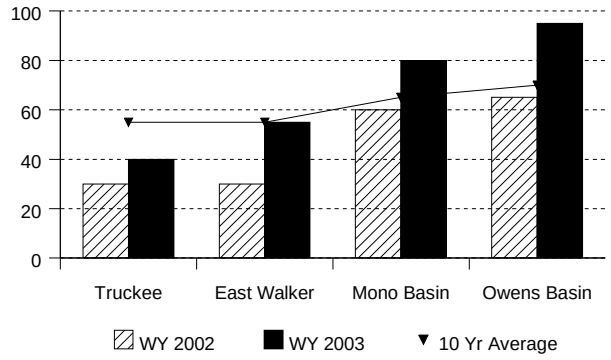
Precipitation

October 1 to date in % of Average



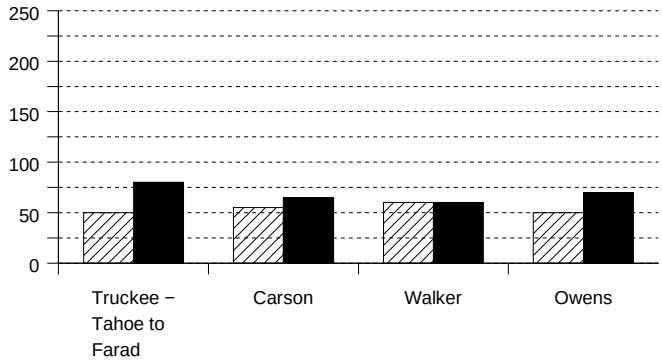
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK− First of the month measurements made at 14 **North Lahontan snow** courses indicate an area wide snow water equivalent of 15.8 inches. This is 115 percent of the February 1 average and 70 percent of seasonal (April 1) average. Last year at this time the pack was holding 16.2 inches of water. At the same time 19 **South Lahontan Region** snow courses indicated a basin−wide snow water equivalent of 12.7 inches which is 105 percent of the average for February 1 and 65 percent of the seasonal average. Last year at this time the basin was holding 12.9 inches of water.

PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan Region** was 105 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.
Seasonal precipitation on the **South Lahontan Region** was 85 percent of normal. Precipitation last month was about 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 40 percent of normal.

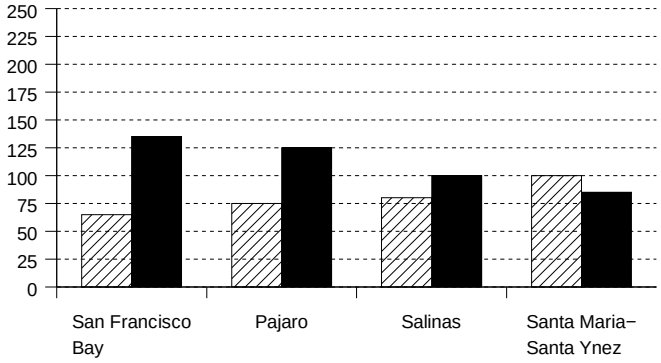
RESERVOIR STORAGE− First of the month storage in 5 **North Lahontan** reservoirs was 233 thousand acre−feet which is 40 percent of average. About 20 percent of available capacity was being used. Storage in these reservoirs at this time last year was 60 percent of average. Lake Tahoe was .5 foot above its natural rim on February 1.
First of the month storage in 8 **South Lahontan** reservoirs was 256 thousand acre−feet which is 95 percent of average and about 65 percent of available capacity. Storage in these reservoirs at this time last year was 100 percent of average.

RUNOFF− Seasonal runoff of streams draining the **North Lahontan Region** totaled 112 thousand acre−feet which is 70 percent of average for this period. Last year, runoff for the same period was 55 percent of average.
Seasonal runoff of the Owens River in the **South Lahontan Region** totaled 32 thousand acre−feet which is 70 percent of average for this period. Last year runoff for this same period was 60 percent of average.

SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

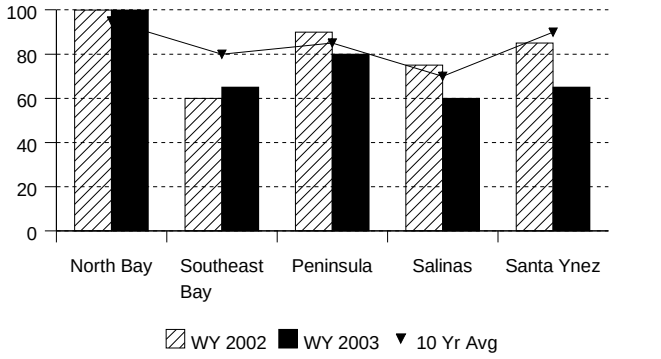
Precipitation

October 1 to date in % of Average



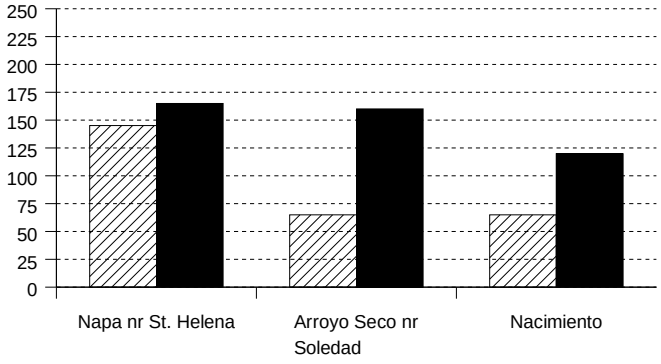
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 135 percent of normal. Precipitation last month was about 40 percent of the monthly average. Seasonal precipitation at this time last year stood at 130 percent of normal.
Seasonal precipitation on the **Central Coast Region** was 110 percent of normal. Precipitation last month was about 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.

RESERVOIR STORAGE− First of the month storage in 18 **San Francisco Bay Region** reservoirs was 490 thousand acre−feet which is 105 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.
First of the month storage in 6 **Central Coast Region** reservoirs was 605 thousand acre−feet which is 105 percent of average and about 60 percent of available capacity. Storage in these reservoirs at this time last year was 130 percent of average.

RUNOFF− Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 59 thousand acre−feet which is 165 percent of average for this period. Last year, runoff for the same period was 145 percent of average.
Seasonal runoff of streams draining the **Central Coast Region** totaled 168 thousand acre−feet which is 130 percent of average for this period. Last year runoff for this same period was 65 percent of average.

SOUTH COAST REGION

PRECIPITATION − October through January (seasonal) precipitation on the **South Coast Region** was 65 percent of normal. January precipitation was 5 percent of the monthly average. Seasonal precipitation at this time last year was 40 percent of normal. Seasonal precipitation on the **Colorado River−Desert Region** was 15 percent of normal. Last year seasonal precipitation on the **Colorado River−Desert Region** was 10 percent of normal. Precipitation in January was about 25 percent of average.

RESERVOIR STORAGE − February 1 storage in 29 major **South Coast Region** reservoirs was 1.1 million acre−feet or 80 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average. On February 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 32 million acre−feet or about 75 percent of average. About 60 percent of available capacity was in use. Last year at this time, these reservoirs were storing 95 percent of average.

RUNOFF − Seasonal runoff from selected **South Coast Region** streams totaled about 6 thousand acre−feet which is 30 percent of average. Seasonal runoff from these streams last year was 10 percent of average.

COLORADO RIVER

The April −July inflow to Lake Powell is forecast to be 4.6 million acre−feet, which is 58 percent of average. The February 1 snowpack in the Colorado River basin above Lake Powell was 70 percent of average, highest in the Upper Colorado at 80 percent and lowest in the San Juan at 55 percent.

CENTRAL VALLEY PROJECT

As of January 31, 2003, CVP storage was 8.3 million acre−feet, which is an increase of 0.2 million acre−feet compared to one year ago and is approximately 119% of normal for that date.

The Bureau of Reclamation announced the 2003 initial water supply outlook for the CVP contractors on January 24, 2003. Based on a conservative water supply forecast prepared from information available January 1, 2003, and a water year inflow into Shasta Reservoir of 5.3 million acre−feet, CVP water supplies were: Agricultural contractors North of Delta 100% and South of Delta 50%; Urban contractors North of Delta 100% and South of Delta 75%; Sacramento River water rights and San Joaquin Exchange Contractors 100%; Wildlife Refuges 100%; Friant Contractors 100% of Class 1 and 0% of Class 2. Official allocations will be announced in mid−February. The forecast of CVP operations is available on the Mid−Pacific Region's website at www.mp.usbr.gov.

STATE WATER PROJECT

Total storage in the major SWP reservoirs was about 3.42 MAF on January 31, 2003, compared with 3.45 MAF at this time in 2002. On January 31 storage at Lake Oroville was about 2.19 MAF as compared to about 1.92 MAF last year.

The State's share of San Luis Reservoir storage at the end of January was 593 TAF, as compared to about 912 TAF at this time last year.

The combined storage of SWP's southern reservoirs was about 634 TAF on January 31 as compared to 622 TAF at this time last year.

SWP water deliveries for January 2003 were about 115 TAF. This is a combination of project, transfer, and exchange waters. This was about 72 TAF less than January 2002.

The SWP approved an initial allocation of 20% (825 TAF) on December 3, 2002. Due to wetter than average precipitation in November and December the Department increased its allocation on January 16, 2003 to 45% (1.86 MAF) for most long−term SWP contractors.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF January 2002 1,000 AF	2003 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,441	1,916	2,153	88%	61%
San Luis Reservoir (SWP)	1,062	880	912	570	65%	54%
Lake Del Valle	77	31	36	36	115%	46%
Lake Silverwood	73	64	70	71	111%	97%
Pyramid Lake	171	163	163	164	101%	96%
Castaic Lake	324	251	275	280	112%	87%
Perris Lake	132	113	114	119	105%	90%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,766	1,652	1,886	107%	77%
Lake Shasta	4,552	3,122	3,517	3,537	113%	78%
Whiskeytown Lake	241	204	205	205	101%	85%
Folsom Lake	977	514	481	601	117%	62%
New Melones Reservoir	2,420	1,358	1,569	1,405	103%	58%
Millerton Lake	520	338	290	361	107%	69%
San Luis Reservoir (CVP)	971	731	895	868	119%	89%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,586	19,870	16,854	82%	64%
Lake Powell	25,002	19,269	17,507	13,269	69%	53%
Lake Mohave	1,810	1,675	1,674	1,705	102%	94%
Lake Havasu	619	548	550	537	98%	87%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	179	168	172	96%	87%
Camanche Reservoir	417	243	239	283	116%	68%
East Bay (4 res.)	147	127	127	127	100%	86%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	155	147	239	154%	66%
Cherry Lake	268	120	210	192	160%	72%
Lake Eleanor	26	9	4	6	65%	24%
Souty Bay/Peninsula (4 res.)	225	161	148	149	92%	66%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	124	123	116	94%	64%
Grant Lake	48	28	32	21	73%	43%
Other Aqueduct Storage (6 res.)	83	75	62	66	88%	80%

TELEMETERED SNOW WATER EQUIVALENTS

February 1, 2003

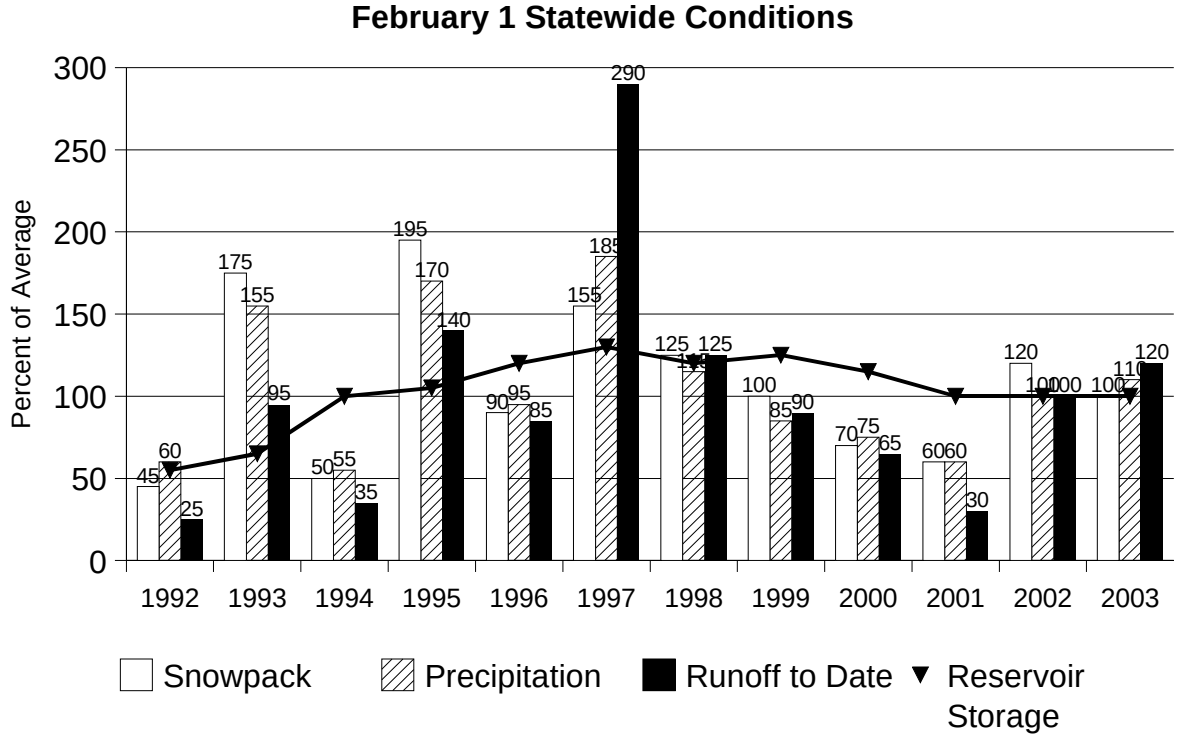
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME			INCHES OF WATER EQUIVALENT			
		APRIL 1		PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Feb 1	OF AVERAGE	PREVIOUS	PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	27.5	94.3	27.5	28.4
Red Rock Mountain	6700’	39.6	49.2	124.3	49.2	49.2
Bonanza King	6450’	40.5	33.1	81.7	33.1	33.1
Shimmy Lake	6400’	40.3	61.6	152.8	61.6	61.6
Middle Boulder 3	6200’	28.3	—	—	—	—
Highland Lakes	6030’	29.9	24.1	80.7	24.4	25.2
Scott Mountain	5900’	16.0	21.7	135.8	21.7	21.7
Mumbo Basin	5650’	22.4	25.3	113.0	25.3	25.8
Big Flat	5100’	15.8	16.1	101.6	16.1	16.1
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	6.8	37.6	6.6	6.6
Blacks Mountain	7050’	12.7	—	—	—	—
Sand Flat	6750’	42.4	42.6	100.4	42.6	43.4
Medicine Lake	6700’	32.6	26.6	81.7	26.6	26.4
Adin Mountain	6200’	13.6	—	—	—	—
Snow Mountain	5950’	27.0	17.6	65.3	18.0	21.0
Slate Creek	5700’	29.0	13.8	47.7	13.9	15.1
Stouts Meadow	5400’	36.0	21.0	58.2	21.0	22.8
FEATHER RIVER						
Kettle Rock	7300’	25.5	18.8	73.9	19.1	20.7
Grizzly Ridge	6900’	29.7	18.4	61.8	18.4	18.4
Pilot Peak	6800’	52.6	18.0	34.2	18.0	20.2
Gold Lake	6750’	36.5	26.4	72.3	26.2	25.3
Humbug	6500’	28.0	31.7	113.3	31.7	31.7
Rattlesnake	6100’	14.0	15.5	110.6	15.5	16.4
Bucks Lake	5750’	44.7	33.5	74.9	33.5	34.0
Four Trees	5150’	20.0	17.5	87.6	17.8	19.8
EEL RIVER						
Noel Spring	5100’	—	0.0	—	0.0	1.9
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	—	—	—	—
Schneiders	8750’	34.5	27.9	80.9	27.9	27.6
Caples Lake	8000’	30.9	13.8	44.6	13.8	14.4
Alpha	7600’	35.9	19.1	53.3	19.1	19.3
Meadow Lake	7200’	55.5	36.0	64.9	36.0	36.0
Silver Lake	7100’	22.7	14.1	62.3	14.1	14.1
Central Sierra Snow Lab	6900’	33.6	26.4	78.6	26.4	26.4
Huysink	6600’	42.6	19.7	46.2	19.7	19.9
Van Vleck	6700’	35.9	22.7	63.2	22.7	22.8
Robbs Saddle	5900’	21.4	11.9	55.6	11.9	12.5
Greek Store	5600’	21.0	14.9	70.9	14.9	14.9
Blue Canyon	5280’	9.0	0.0	0.0	1.0	5.1
Robbs Powerhouse	5150’	5.2	7.7	148.1	7.7	8.2
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	16.0	43.0	16.0	16.0
Highland Meadow	8700’	47.9	33.9	70.7	33.9	33.6
Gianelli Meadow	8400’	55.5	22.0	39.6	22.0	22.0
Lower Relief Valley	8100’	41.2	26.6	64.6	26.6	26.6
Blue Lakes	8000’	33.1	17.5	52.9	17.1	17.0
Mud Lake	7900’	44.9	30.3	67.5	30.0	29.6
Stanislaus Meadow	7750’	47.5	29.6	62.3	29.6	29.6
Bloods Creek	7200’	35.5	15.0	42.3	15.0	14.9
Black Springs	6500’	32.0	17.2	53.7	17.2	17.2
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	—	—	—	—
Dana Meadows	9800’	27.7	17.9	64.6	17.8	17.6
Slide Canyon	9200’	41.1	22.9	55.8	22.9	22.3
Lake Tenaya	8150’	33.1	20.6	62.2	20.5	20.7
Tuolumne Meadows	8600’	22.6	12.0	53.1	12.0	12.0
Horse Meadow	8400’	48.6	28.8	59.3	28.2	28.2
Ostrander Lake	8200’	34.8	17.6	50.6	17.6	18.3
Paradise Meadow	7650’	41.3	18.8	45.4	18.8	18.8
Gin Flat	7050’	34.2	16.1	47.0	16.1	15.8
Lower Kibbie Ridge	6700’	27.4	11.0	40.0	11.0	12.4

BASIN NAME		APRIL 1	INCHES OF WATER EQUIVALENT	PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Feb 1	OF AVERAGE	PREVIOUS	PREVIOUS
SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	17.7	58.7	17.7	17.7
Agnew Pass	9450’	32.3	15.2	47.2	15.2	14.6
Kaiser Point	9200’	37.8	18.2	48.1	18.6	—
Green Mountain	7900’	30.8	11.3	36.6	11.3	11.3
Tamarack Summit	7550’	30.5	10.4	34.2	10.4	11.0
Chilkoot Meadow	7150’	38.0	15.1	39.7	15.1	15.0
Huntington Lake	7000’	20.1	9.5	47.2	9.5	9.5
Graveyard Meadow	6900’	18.8	10.8	57.4	10.9	11.2
Poison Ridge	6900’	28.9	9.3	32.2	9.3	9.6
KINGS RIVER						
Bishop Pass	11200’	34.0	12.2	35.8	12.2	12.2
Charlotte Lake	10400’	27.5	20.6	75.1	20.6	20.4
State Lakes	10300’	29.0	19.8	68.3	19.8	19.8
Mitchell Meadow	9900’	32.9	21.6	65.7	21.6	21.6
Blackcap Basin	10300’	34.3	18.2	53.1	18.2	18.2
Upper Burnt Corral	9700’	34.6	20.8	60.1	20.8	20.1
West Woodchuck Meadow	9100’	32.8	10.3	31.4	10.3	10.1
Big Meadows	7600’	25.9	8.0	31.0	8.0	8.5
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	17.7	51.3	17.7	18.0
Quaking Aspen	7200’	21.0	8.6	41.1	8.6	8.5
Giant Forest	6650’	10.0	1.0	10.0	2.2	4.4
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	15.9	57.4	15.9	16.0
Crabtree Meadow	10700’	19.8	11.4	57.5	11.5	11.5
Chagoopa Plateau	10300’	21.8	11.1	51.0	11.1	11.8
Pascoes	9150’	24.9	11.8	47.4	11.8	11.9
Tunnel Guard Station	8900’	15.6	5.0	32.1	5.0	5.2
Wet Meadows	8950’	30.3	—	—	—	—
Casa Vieja Meadows	8300’	20.9	11.8	56.5	11.8	11.8
Beach Meadows	7650’	11.0	0.0	0.0	0.0	2.3
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	12.4	42.5	12.3	12.3
TRUCKEE RIVER						
Mount Rose Ski Area	8900’	38.5	29.7	77.1	29.7	29.2
Independence Lake	8450’	41.4	32.8	79.2	32.8	32.4
Big Meadows	8700’	25.7	16.3	63.4	15.6	15.4
Squaw Valley	8200’	46.5	43.2	92.9	43.5	43.8
Independence Camp	7000’	21.8	9.7	44.5	9.7	9.7
Independence Creek	6500’	12.7	8.3	65.4	8.3	8.3
Truckee 2	6400’	14.3	13.4	93.7	13.2	12.8
LAKE TAHOE BASIN						
Heavenly Valley	8800’	28.1	17.5	62.3	17.3	16.8
Hagans Meadow	8000’	16.5	11.7	70.9	11.6	11.6
Marlette Lake	8000’	21.1	13.3	63.0	13.2	13.4
Echo Peak 5	7800’	39.5	29.9	75.7	29.7	29.6
Rubicon Peak 2	7500’	29.1	13.6	46.7	13.6	14.3
Tahoe City Cross	6750’	16.0	6.5	40.6	6.5	7.5
Ward Creek 3	6750’	39.4	20.7	52.5	20.6	19.9
Fallen Leaf Lake	6250’	7.0	4.6	65.7	4.9	6.2
CARSON RIVER						
Ebbetts Pass	8700’	38.8	24.6	63.4	24.6	23.2
Poison Flat	7900’	16.2	12.7	78.4	12.7	12.1
Monitor Pass	8350’	—	12.6	—	12.3	12.3
Spratt Creek	6150’	4.5	3.5	77.8	3.8	5.6
WALKER RIVER						
Leavitt Lake	9600’	—	39.4	—	39.4	38.9
Virginia Lakes	9300’	20.3	11.7	57.6	11.7	11.7
Lobdell Lake	9200’	17.3	14.8	85.5	14.4	14.0
Sonora Pass Bridge	8750’	26.0	16.1	61.9	15.8	15.0
Leavitt Meadows	7200’	8.0	7.8	97.5	7.8	7.8
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	25.0	78.9	24.8	24.5
Sawmill	10200’	19.4	12.7	65.6	12.7	12.7
Cottonwood Lakes	10150’	11.6	11.7	100.7	11.7	11.7
Big Pine Creek	9800’	17.9	10.3	57.8	10.3	10.3
South Lake	9600’	16.0	12.8	79.9	12.8	12.8
Mammoth Pass	9300’	42.4	20.6	48.7	20.6	20.6
Rock Creek Lakes	10000’	14.0	8.7	62.0	8.7	8.7

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



SNOWLINES

Jeff L. Taylor, who retired a year ago after nearly three decades as General Manager−Chief Engineer of the Kings River Conservation District, died at his Fresno home January 2. He was 69. Mr. Taylor helped build the KRCD into one of the San Joaquin Valley's leading water resource agencies and oversaw development of KRCD's Pine Flat Power Plant. "He did something that had been tried by others a number times and managed to succeed in building a power plant, " said Garvin White, a member of the KRCD board that hired Mr. Taylor as General Manager−Chief Engineer on March 1, 1972. "The truth is the credit really goes to Jeff. He was a real ram−rod."

Rodd Lindberg, 51, and "Chief Hydrographer" for the Sacramento Municipal Utility District, passed away unexpectedly in his sleep at home in Folsom on January 12. Rodd had worked with the U.S.G.S. before moving to SMUD in 1984. Rodd was a warm and generous person. "He was a very special guy," said his manager, Paul Bender, "and a respected expert in his field. He made a significant contribution to SMUD's success, and he'll be greatly missed."

Jeff and Rodd were both steadfast and ardent supporters of the California Cooperative Snow Survey Program. Both of them will greatly missed.

The 71st Western Snow Conference (WSC) will be held in Scottsdale, Arizona, 21−24 April 2003. The conference will be held at the luxurious Old Town Hotel and Conference Center and hosted by the South Pacific Region. For further information regarding the Western Snow Conference contact Frank Gehrke at 916−574−2635 or gridley@water.ca.gov.
Information is available on the web at http://www.westernsnowconference.org

Depicted on this month's cover is Dave Clow of the USGS reconnoitering a new snow sensor site. The solar panel array provides power for utility operation at the Merced Lake High Sierra Camp in Yosemite National Park.